Claim Amendments

Please amend claims 1, 2, 5, 9, 13, 17, 19, and 20 as follows.

Please cancel claims 4, 6-8, 12, and 14-16. Please add new claims 21-25 as follows.

1. (currently amended) A primer tank for generating a primer vapor with reduced primer droplet formation[[,]] comprising:

a tank body for containing a liquid primer to form an exposed surface of said liquid primer comprising a liquid vapor interface; and,

a nozzle assembly having comprising a plurality of nozzle openings provided in said tank body, said plurality of openings disposed above said exposed surface and arranged for ejecting impacting a plurality of gas streams against onto said exposed surface the liquid primer to form said primer vapor in a vapor collection space above said liquid vapor interface.

2. (currently amended) The primer tank of claim 1 wherein said nozzle assembly comprises:

a gas inlet pipe for receiving a primary gas stream and a nozzle plate provided in downstream fluid communication with said gas inlet pipe; [[,and]]

wherein <u>said nozzle plate comprises</u> a plurality of nozzle openings extends through said nozzle plate <u>for dividing said</u> primary stream into said plurality of gas <u>streams</u>.

3. (original) The primer tank of claim 1 further comprising a level sensor provided in said tank body for sensing a level of the liquid primer in said tank body.

4. (cancelled)

5. (currently amended) The primer tank of claim 1 further comprising a vapor outlet tube provided in fluid communication with said tank body for distributing the primer vapor from said tank body vapor collection space to a downstream process.

6. - 8. (cancelled)

- 9. (currently amended) A primer tank for generating a primer vapor, comprising:
 - a tank body for containing a liquid primer; and,
- a nozzle assembly provided in said tank body, said nozzle assembly having a gas inlet pipe for receiving a primary gas stream; a housing having a housing interior provided in fluid communication with said gas inlet pipe; and a nozzle plate <u>in</u> downstream fluid communication with said housing, said nozzle

plate having plurality of nozzle openings carried by said housing for receiving the primary gas stream and ejecting a plurality of secondary gas streams onto an exposed surface of said against the liquid primer to create a primer vapor in a vapor collection space above said exposed surface.

- 10. (original) The primer tank of claim 9 further comprising a level sensor provided in said tank body for sensing a level of the liquid primer in said tank body.
- 11. (original) The primer tank of claim 9 further comprising a vapor outlet tube provided in fluid communication with said tank body for distributing the primer vapor from said tank body.
- 12. (cancelled)
- 13. (currently amended) The primer tank of claim 9 wherein said plurality of nozzle openings are arranged in a plurality of radially-extending rows [[in]] on a plate surface of said nozzle plate, said plate surface arranged above said exposed surface.
- 14. 16. (cancelled)

17. (currently amended) A method of generating a primer vapor from a liquid primer to reduce primer vapor droplet formation [[,]] comprising the steps of:

providing a primer tank having a tank body;

providing the liquid primer in said tank body to form an exposed surface of said liquid primer, said exposed surface comprising a liquid vapor interface; [[and]]

directing impacting an inert gas against the liquid primer comprising [[in]] a plurality of gas streams onto said exposed surface to form a vapor above said liquid vapor interface, said vapor comprising said liquid primer and said inert gas; and, transferring said vapor to a downstream process.

- 18. (original) The method of claim 17 wherein said liquid primer comprises hexamethyldisilazone.
- 19. (currently amended) The method of claim 17 wherein each of said plurality of gas streams has a pressure of about 0.75 Kpa are impacted onto said exposed surface at subatmospheric pressures.
- 20. (currently amended) The method of claim 17 wherein [[said]]

 the step of directing an inert gas against the liquid primer in a

 plurality of gas streams comprises:

the steps of providing a primary gas stream[[,]];

dividing said primary gas stream into said plurality of gas streams according to a plurality of openings disposed above said exposed surface; [[,]] and,

directing said plurality of gas streams against the liquid

primer collecting said vapor in a vapor collection space disposed

above the vapor liquid interface.

- 21. (new) The method of claim 21, wherein said plurality of openings is disposed in a plate surface arranged above said exposed surface.
- 22. (new) The method of claim 17, wherein said inert gas comprises nitrogen.
- 23. (new) The method of claim 17, wherein said downstream process comprises treating a semiconductor process wafer with the primer vapor, said downstream process at a relatively lower pressure than the vapor collection space.
- 24. (new) The primer tank of claim 5, wherein said downstream process is maintained at a lower pressure relative to said vapor collection space.

25. (new) The primer tank of claim 2 wherein said plurality of nozzle openings are arranged in a plurality of radially-extending rows on said nozzle pate surface.